CBC-PRC 3-FT25-MS6 800V - Panel feed-through

1453451

https://www.phoenixcontact.com/us/products/1453451

Panel feed-through, Range of articles: ArcZero, color: black, number of positions: 3, min. conductor cross-section: 1.5 mm^2, max. conductor cross-section: 6 mm^2, rated voltage: 800 VDC, rated current: 20 A, Connection method: Screw connection, Maximum load when disconnecting: 16 kW, scope: DC grid

Your advantages

- Safe connection and disconnection under load
- Fast disconnection of flying leads
- Time-saving maintenance or replacement of connected devices
- Robust outdoor design even for extreme conditions
- Particularly durable and economical

Commercial data

Item number	1453451
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLFAA
GTIN	4063151841713
Weight per piece (including packing)	65.4 g
Weight per piece (excluding packing)	52.887 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Note on application	Maximum load when disconnecting: 16 kW (6.7 µF/5 mH)
Note on application	Maximum load when connecting: 2 kW (6.7 µF/5 mH)
Note on application	Observe the specifications of the packing slip.
Notes on safety	Fit the protective cap when not plugged in.

Product properties

Product type	Panel feed-through
Product family	ArcZero
Area of application	DC grid
Number of positions	3

Insulation characteristics	
Protection class	II (plastic housing)

Dimensions

Dimensional drawing	
Width	35 mm
Height	35 mm
Length	72.6 mm

Electrical properties

Nominal voltage ATD	800 VDC (III/2.00) in accordance with IEC 61984
	250 VDC Minimum system voltage
	500 VDC (III/2.00) in accordance with IEC 61535
	600 VDC (III/2.00) in accordance with UL 2238 / UL 2237
Rated current	20 A (With 2.5 mm² conductor cross-section in accordance with IEC 61984)

Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	500 (under rated load)

Material specifications

Color (Housing)	black (RAL 9005)

Material Housing	PPE

Cable/line

Single wire, cross section	1.5 mm² 6 mm²
Stripping length of the individual wire	13 mm
Halogen-free	yes (in accordance with IEC 61249-2-21:2003- 11 Cl.3.1)

Mounting

Mounting type	Rear mounting
Thread type	M25 x 1,5 ()

Environmental and real-life conditions

Ambient conditions

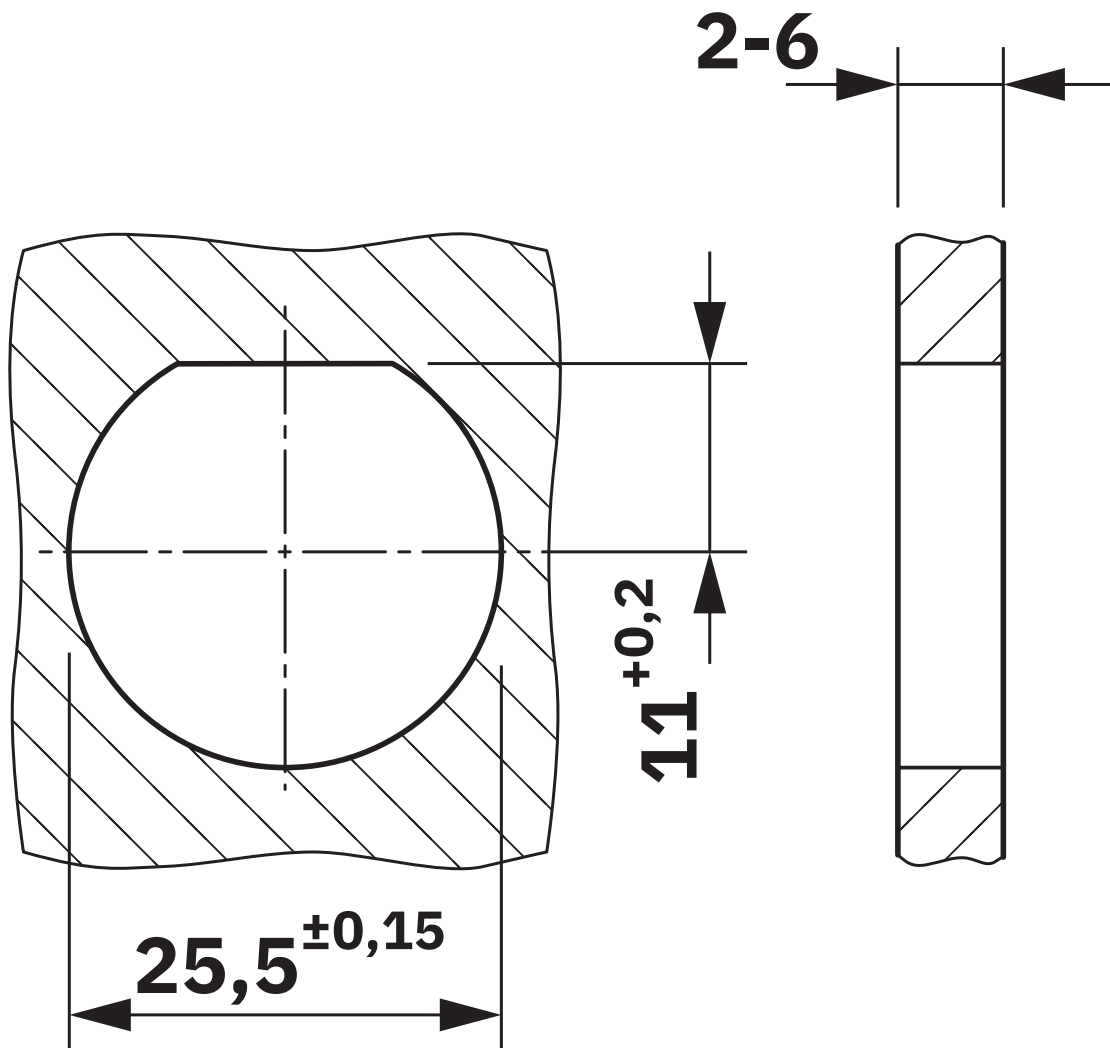| Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Ambient temperature (operation)	-40 °C ... 105 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 105 °C
Ambient temperature (assembly)	-20 °C ... 60 °C

Standards and regulations
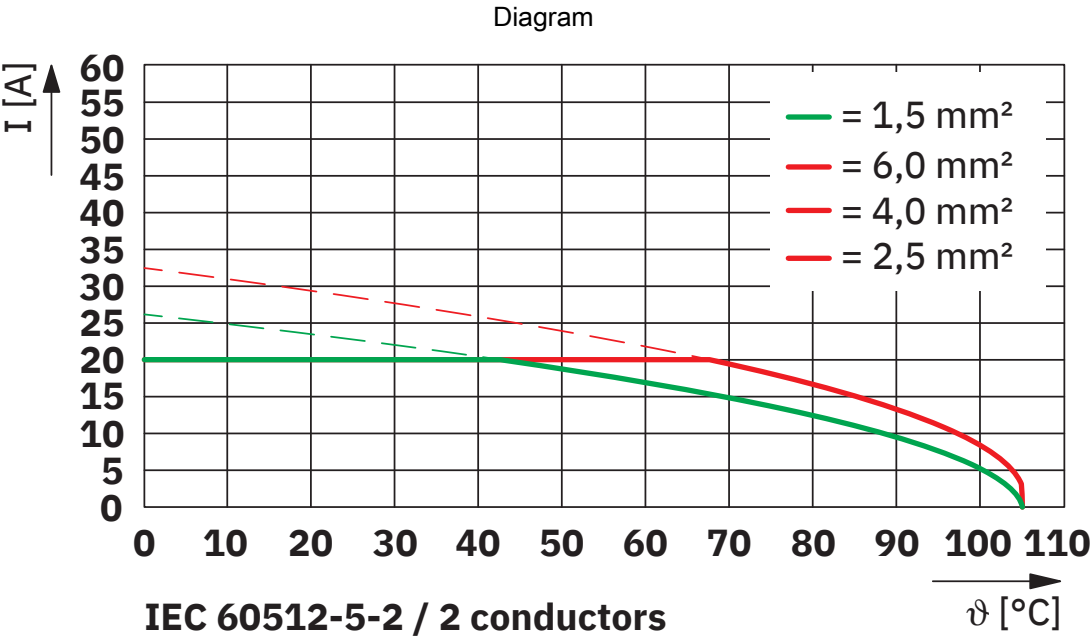
Standards/specifications	IEC 61984
	IEC TS 62735-1

Drawings

Dimensional drawing

2-6

$11^{+0,2}$

$25,5^{±0,15}$

Diagram

IEC 60512-5-2 / 2 conductors

Legend:
- = 1,5 mm²
- = 6,0 mm²
- = 4,0 mm²
- = 2,5 mm²

Derating

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1453451

VDE Zeichengenehmigung
Approval ID: 304284-TL3-1

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	800 V	20 A	-	1.5 - 6

Classifications

ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

ETIM

ETIM 9.0	EC002566

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Triphenyl phosphate(CAS: 115-86-6)